INTERNATIONAL SEARCH REPORT

onal Application No PCT/GB2004/002358

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H05B3/34 A43B A43B7/02 A43B17/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (dassification system followed by dassification symbols) H05B A43B IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. 1.2.6 - 11P,X WO 03/053101 A (FERGUSON PATRICK :NEL TECHNOLOGIES LTD (GB)) 26 June 2003 (2003-06-26) P,Y the whole document 3-5 12-18 19-23 Α US 5 829 171 A (HOOVER JAMES W ET AL) 3-5 Y 12-18 3 November 1998 (1998-11-03) 19-23 the whole document Α GB 2 092 868 A (MB METALS LTD) 18 August 1982 (1982-08-18) 1,2,6-8, Y 12,17 19-23 page 1, line 20-120; claims; figures Α 1,2,6-8, US 4 948 951 A (BALZANO ALFIERO) 14 August 1990 (1990-08-14) 12,17 19-23 column 1, line 1-3; claims; figures 1,3,6 Α Further documents are listed in the continuation of box C. Patent family members are listed in annex. X Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 01/10/2004 13 September 2004 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax. (+31–70) 340–3016 Herry, M

INTERNATIONAL SEARCH REPORT

inal Application No PCT/GB2004/002358

C.(Continua	tion) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	US 4 201 825 A (EBNETH HAROLD) 6 May 1980 (1980-05-06) column 3, line 36-42	1
A	US 6 227 458 B1 (LAUGHLIN THOMAS J ET AL) 8 May 2001 (2001-05-08) the whole document	1,12, 19-23
A	US 4 257 176 A (SIEGEL ARNOLD L ET AL) 24 March 1981 (1981-03-24) the whole document	1,12, 19-23
A	WO 03/039417 A (GORIX LTD ;RIX JOHN ROBERT (GB)) 15 May 2003 (2003-05-15) cited in the application the whole document	1,12
A	US 4 798 933 A (ANNOVI GIUSEPPE) 17 January 1989 (1989-01-17) cited in the application the whole document	1,12
		
	·	
1		

INTERNATIONAL SEARCH REPORT

1 1al Application No PCT/GB2004/002358

				1017	
Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 03053101	Α	26-06-2003	EP WO	1454508 A1 03053101 A1	08-09-2004 26-06-2003
			GB 	2383197 A	18-06-2003
US 5829171	Α	03-11-1998	EP	0948271 A1	13-10-1999
			WO	9814082 A1	09-04-1998
GB 2092868	A	18-08-1982	NONE		
US 4948951	A	14-08-1990	US	4906822 A	06-03-1990
			DE	4025636 A1	20-02-1992
			FR	2665815 A1	14-02-1992
			GB 	2246690 A	05-02-1992
US 4201825	Α	06-05-1980	DE	2743768 A1	12-04-1979
			BE	870831 A1	28-03-1979
			CA	1138271 A1	28-12-1982
			CH	618055 A ,E	
			ES	473747 A1	01-04-1979
			FR	2404704 A1	<u>27-04-1979</u>
			GB	2005310 A ,E	
			ΙE	47384 B1	07-03-1984
			IT	1099610 B	18-09-1985
			JP.	54055700 A	02-05-1979
			JP	62018670 B	23-04-1987
			NL	7809823 A	02-04-1979
US 6227458	B1	08-05-2001	NONE	,	
US 4257176	Α	24-03-1981	NONE		
WO 03039417	 -	15-05-2003	WO	03039417 A2	15-05-2003
		-	GB	2396823 A	07-07-2004
US 4798933	A	17-01-1989	IT	208028 Z2	31-03-1988
			DE	3721791 A1	07-01-1988
			FR	2600902 A1	08-01-1988
			JP	1198524 A	10-08-1989